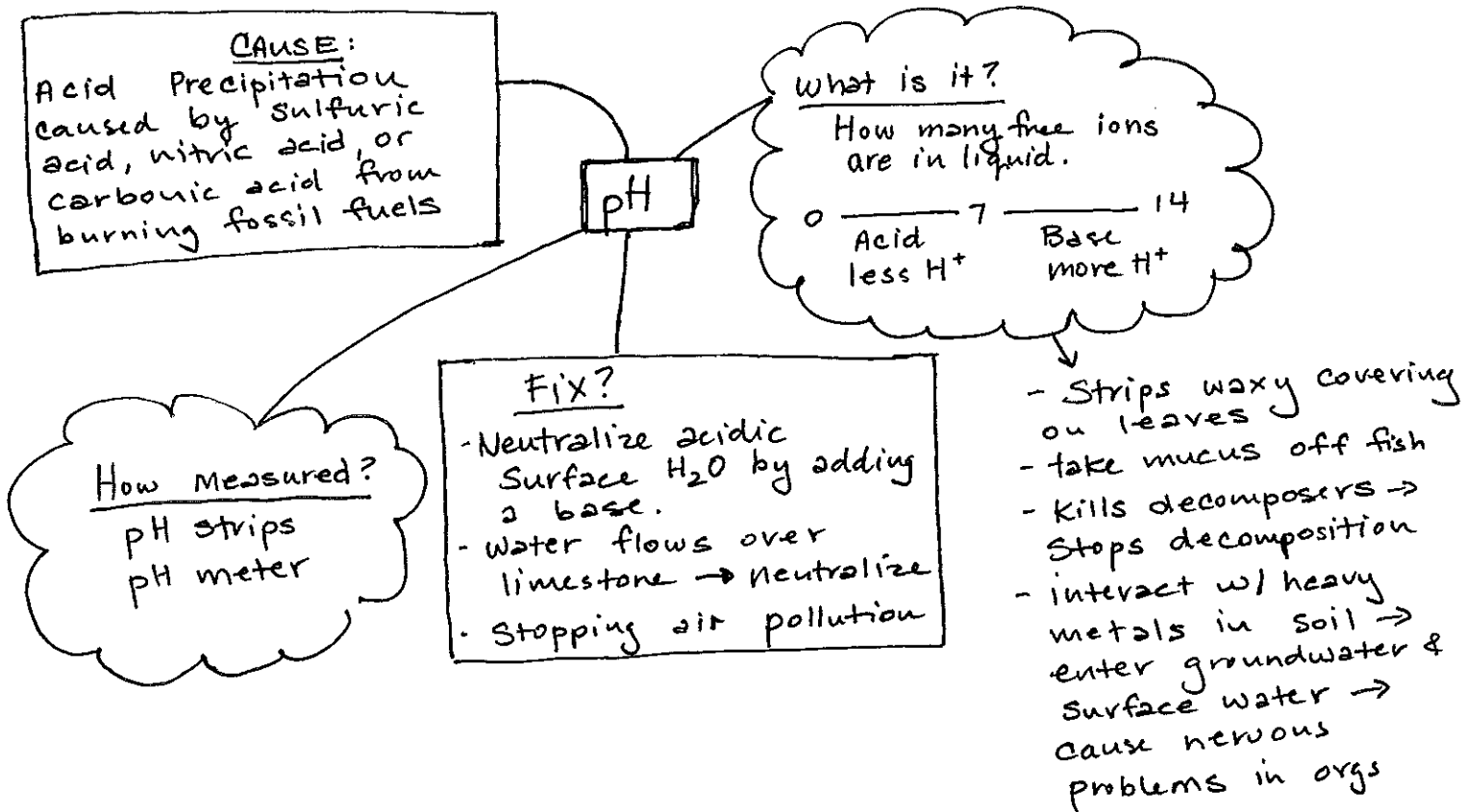
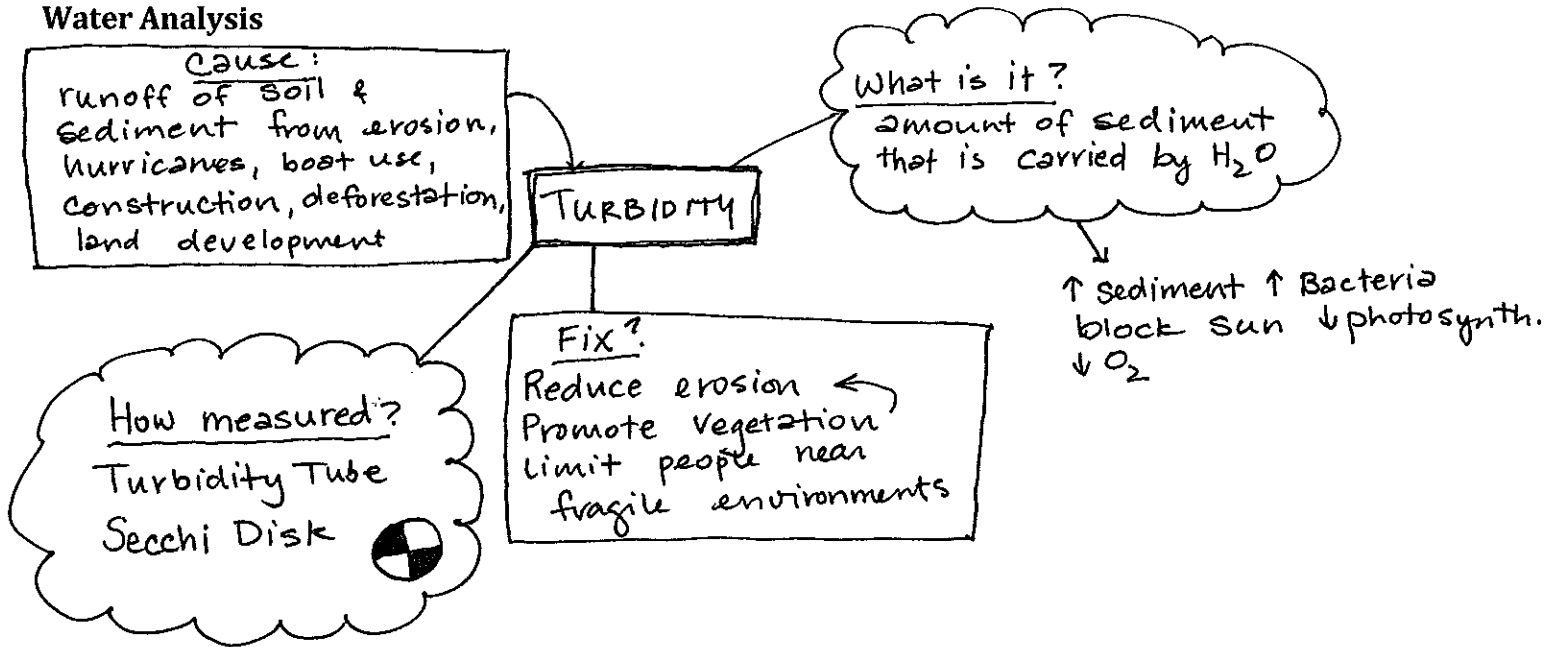
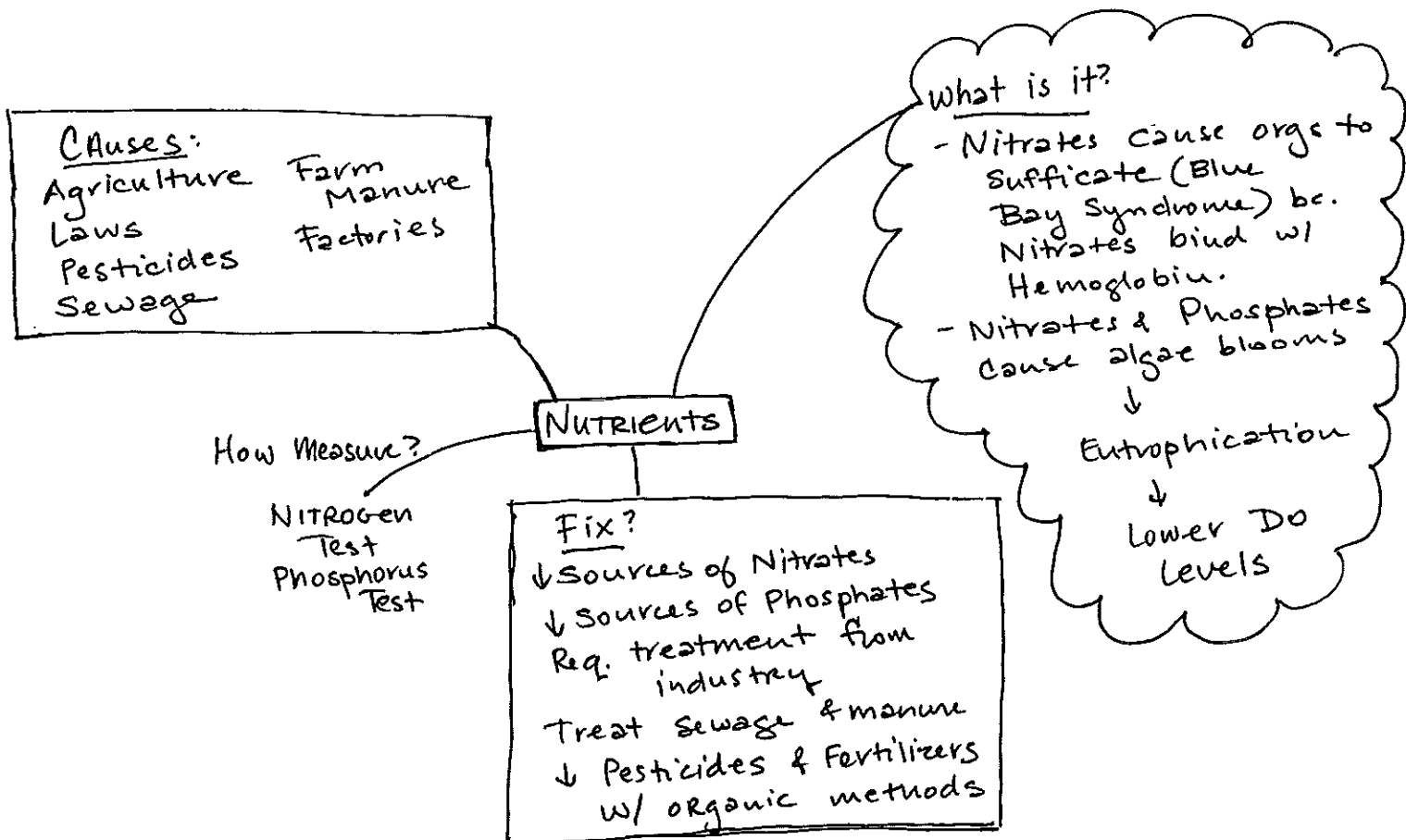
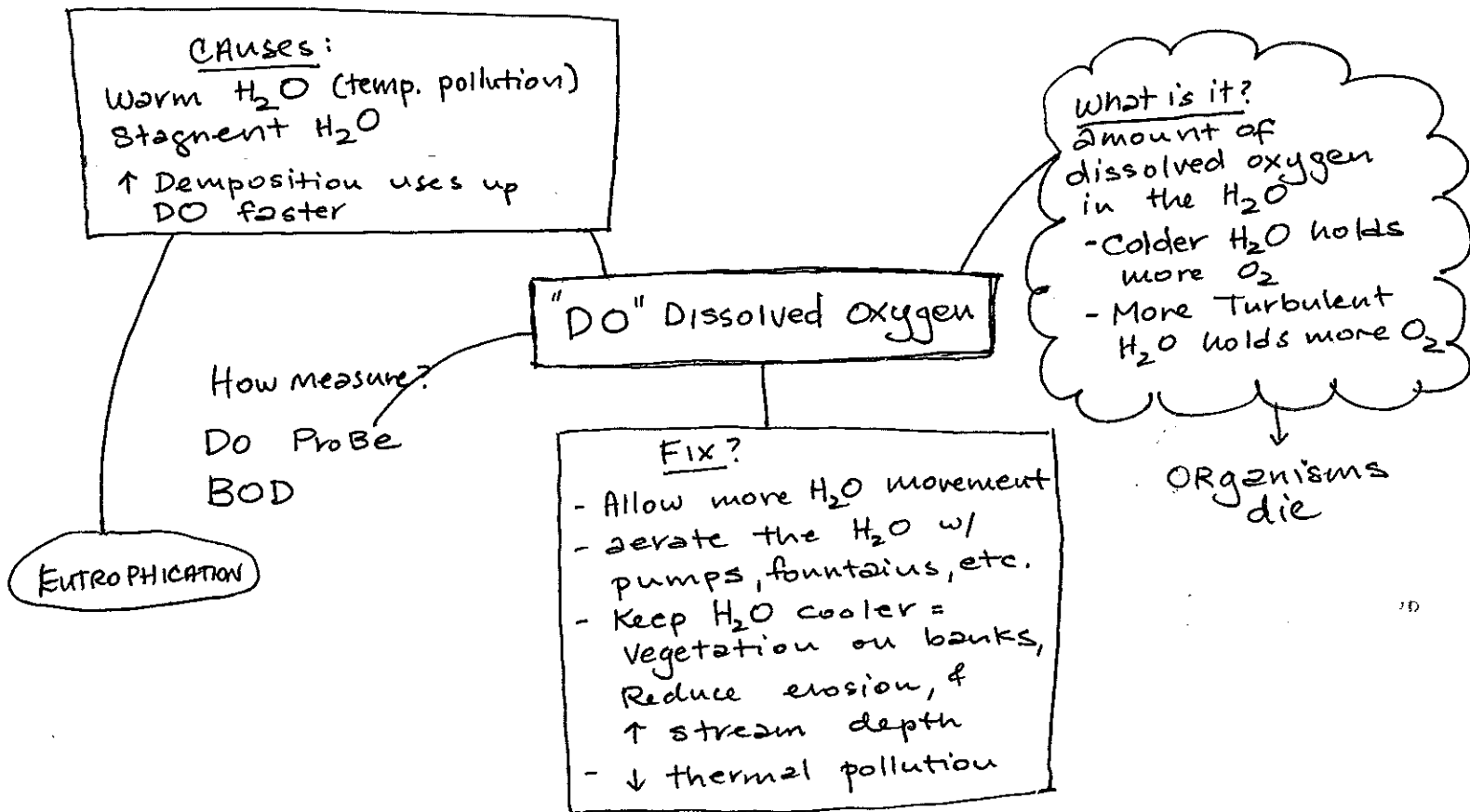


## 5.2.1 Describe two direct methods of monitoring pollution

### Water Analysis





CAUSES:  
Shallow, stagnant  
Reduce vegetation

## Temperature

How measured?  
Thermometer

Fix?  
- Veg. on Banks for shade  
- Build up Banks  
- Keep deep water

What is it?  
Warm  $H_2O$

DO comes out of  $H_2O$

↓  
Organisms die

↓  
Algae & shallow  $H_2O$  plants grow

↓  
Stagnant  $H_2O$  & shallow

↓  
warm

↓  
eutrophication

CAUSES:  
Lots of organic material (from  
Raw sewage, ag. waste, manure,  
farm runoff, or  
indust. dumping

## BOD "Biological Oxygen Demand"

Measure  
 $O_2$  & Temp.

Fix?  
See Dissolved  $O_2$

What is it?  
Amount of  $O_2$  needed  
by ecosystem.  
 $\uparrow$  decomp. =  $\uparrow$  BOD